

Appendix IV: Alignment of SEQ ID NO: 347 of Wang et al with instant SEQ ID NO: 6

RESULT 2
 US-09-542-615A-347
 ; Sequence 347, Application US/09542615A
 ; Patent No. 6518256
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Ligu
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Hosken, Nancy A.
 ; APPLICANT: Fanger, Gary R.
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.455C8
 ; CURRENT APPLICATION NUMBER: US/09/542,615A
 ; CURRENT FILING DATE: 2000-04-14
 ; NUMBER OF SEQ ID NOS: 350
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 347
 ; LENGTH: 1740
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-542-615A-347

Query Match		100.0%;	Score 1740;	DB 3;	Length 1740;
Best Local Similarity		100.0%;			
Matches 1740;		Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
Qy	1	ATGAACAAACTGTATATCGGAAACCTCAGCGAAGACGCCGCCCTCGGACCTAGAAAGT	60		
Db	1	ATGAACAAACTGTATATCGGAAACCTCAGCGAAGACGCCGCCCTCGGACCTAGAAAGT	60		
Qy	61	ATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCCTTCTGGTGAAGACTGGCTACGCG	120		
Db	61	ATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCCTTCTGGTGAAGACTGGCTACGCG	120		
Qy	121	TTCGTGGACTGCCCGGACGAGAGCTGGGCCCTCAAGGCCATCAGAGCGCCTTTACAGTTAA	180		
Db	121	TTCGTGGACTGCCCGGACGAGAGCTGGGCCCTCAAGGCCATCAGAGCGCCTTTACAGTTAA	180		
Qy	181	ATAGAAGTCGACGGGAAACCCATAGAAGTTGAGCACTCGGTCCCAAAAGGCAAAGGATT	240		
Db	181	ATAGAAGTCGACGGGAAACCCATAGAAGTTGAGCACTCGGTCCCAAAAGGCAAAGGATT	240		
Qy	241	CGGAAACTTCAGATACGAAATATCCCGCCTCATTACAGTGGGAGGTGCTGGATAGTTTA	300		
Db	241	CGGAAACTTCAGATACGAAATATCCCGCCTCATTACAGTGGGAGGTGCTGGATAGTTTA	300		
Qy	301	CTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAACTGCA	360		
Db	301	CTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAACTGCA	360		
Qy	361	GTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAACTGAAT	420		
Db	361	GTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAACTGAAT	420		
Qy	421	GGATTTTCAGTTAGAGAATTTACCTTTGAAAGTAGCCTATATCCCTGATGAACCGGCC	480		
Db	421	GGATTTTCAGTTAGAGAATTTACCTTTGAAAGTAGCCTATATCCCTGATGAACCGGCC	480		
Qy	481	CAGCAAAACCCCTTGACGACGCCCGAGGTCGCCGGGGCTTGGCGAGAGGGCTCCTCA	540		

Db	481	 CAGCAAAACCCCTTGCAGCAGCCCCGAGTGC CGGGGGCTTGGCGAGAGGGGCTCCTCA	540
Qy	541	AGGCAGGGGTCTCCAGGATCCGTATCCAAGCAGAAACCATGTGATTTCCTCTGCGCCTG	600
Db	541	AGGCAGGGGTCTCCAGGATCCGTATCCAAGCAGAAACCATGTGATTTCCTCTGCGCCTG	600
Qy	601	CTGGTTCCCAACCAATTGTTGGAGCCATCATAGGAAAAGAAGGTGCCACCATTTCGGAAC	660
Db	601	CTGGTTCCCAACCAATTGTTGGAGCCATCATAGGAAAAGAAGGTGCCACCATTTCGGAAC	660
Qy	661	ATCACCAACAGACCCAGTCTAAAAATCGATGTCCACCGTAAAGAAAATGCGGGGGCTGCT	720
Db	661	ATCACCAACAGACCCAGTCTAAAAATCGATGTCCACCGTAAAGAAAATGCGGGGGCTGCT	720
Qy	721	GAGAAGTCGATTACTATCCTCTCTACTCTCTGAAGCACCTCTGCGGGCTTGAAGTCTATT	780
Db	721	GAGAAGTCGATTACTATCCTCTCTACTCTCTGAAGCACCTCTGCGGGCTTGAAGTCTATT	780
Qy	781	CTGGAGATTATGCATAAGGAAGCTCAAGATATAAAATTACAGAAGAGATCCCTTGAAG	840
Db	781	CTGGAGATTATGCATAAGGAAGCTCAAGATATAAAATTACAGAAGAGATCCCTTGAAG	840
Qy	841	ATTTTAGCTCATAATAACTTTGTTGGACGTCTTATTGGTAAAGAAGGAAGAAATCTTAA	900
Db	841	ATTTTAGCTCATAATAACTTTGTTGGACGTCTTATTGGTAAAGAAGGAAGAAATCTTAA	900
Qy	901	AAAATTGAGCAAGACACAGACACTAAAAATCAGATATCTCCATTGCAGGAATTGACGCTG	960
Db	901	AAAATTGAGCAAGACACAGACACTAAAAATCAGATATCTCCATTGCAGGAATTGACGCTG	960
Qy	961	TATAATCCAGAAGCAGCTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAGCTGAG	1020
Db	961	TATAATCCAGAAGCAGCTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAGCTGAG	1020
Qy	1021	GAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAATGATATTGCTTCTATGAATCTT	1080
Db	1021	GAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAATGATATTGCTTCTATGAATCTT	1080
Qy	1081	CAAGCACATTTAATTCTCGGATTAATCTGAACGCCTTGGGTCTGTTCCCAACCCACTTCA	1140
Db	1081	CAAGCACATTTAATTCTCGGATTAATCTGAACGCCTTGGGTCTGTTCCCAACCCACTTCA	1140
Qy	1141	GGGATGCCACCTCCCACTCAGGGCCCCCTTCAGCCATGACTCTCCCTACCCGAGTTT	1200
Db	1141	GGGATGCCACCTCCCACTCAGGGCCCCCTTCAGCCATGACTCTCCCTACCCGAGTTT	1200
Qy	1201	GAGCAATCAGAAACGAGACTGTTTCATCTGTTTATCCAGCTCTATCAGTCGGTGCCATC	1260
Db	1201	GAGCAATCAGAAACGAGACTGTTTCATCTGTTTATCCAGCTCTATCAGTCGGTGCCATC	1260
Qy	1261	ATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTTCTCGCTTTGCTGGAGCTTCAATTAA	1320
Db	1261	ATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTTCTCGCTTTGCTGGAGCTTCAATTAA	1320
Qy	1321	ATTGCTCCAGCGGAAGCACAGATGCTAAAGTGAGGATGGTGATTATCACTGGACCACCA	1380
Db	1321	ATTGCTCCAGCGGAAGCACAGATGCTAAAGTGAGGATGGTGATTATCACTGGACCACCA	1380
Qy	1381	GAGGCTCAGTTCAAGGCTCAGGAAGAATTTATGAAAAAATAAAGAAGAAAACCTTTGTT	1440

Db	1381	GAGGCTCAGTTCAAGGCTCAGGGAAGAATTTATGGAAAAATTAAAGAAGAAAACTTTGT	1440
Qy	1441	AGTCCTAAAGAAGAGGTGAAACTTGAAGCTCATATCAGAGTGCCATCCTTTGCTGCTGGC	1500
Db	1441	AGTCCTAAAGAAGAGGTGAAACTTGAAGCTCATATCAGAGTGCCATCCTTTGCTGCTGGC	1500
Qy	1501	AGAGTTATTGGAAAAGGAGGCAAAACGGTGAATGAACCTTCAGAAATTTGTCAAGTGCAGAA	1560
Db	1501	AGAGTTATTGGAAAAGGAGGCAAAACGGTGAATGAACCTTCAGAAATTTGTCAAGTGCAGAA	1560
Qy	1561	GTTGTTGTCCCTCGTGACCAGACACCTGATGAGAAATGACCAAGTGGTTGTCAAAATAACT	1620
Db	1561	GTTGTTGTCCCTCGTGACCAGACACCTGATGAGAAATGACCAAGTGGTTGTCAAAATAACT	1620
Qy	1621	GGTCACTTCTATGCTTGCCAGGTTGCCCAGAGAAAAATTCAGGAAATTCGACTCAGGTA	1680
Db	1621	GGTCACTTCTATGCTTGCCAGGTTGCCCAGAGAAAAATTCAGGAAATTCGACTCAGGTA	1680
Qy	1681	AAGCAGACCAACAACAGAAGGCTCTGCAAAGTGGACCACCTCAGTCAAGACGGAAGTAA	1740
Db	1681	AAGCAGACCAACAACAGAAGGCTCTGCAAAGTGGACCACCTCAGTCAAGACGGAAGTAA	1740